

PVC Schedule 40 Pressure Fittings

Material

The **PVC SCH40** fittings are manufactured in compliance with the **ASTM D2466 “Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40”**, with a wide portfolio range from 1/2” to 4”, intended for use with Iron Pipe Size (IPS) outside-diameter plastic pipe. To be used with pipes complying with **ASTM D1784**.

Advantages

- ⦿ Resistant to oxidation and corrosion.
- ⦿ Non-toxic,
- ⦿ Odorless and flavorless.
- ⦿ Lightweight, and easy to install using solvent weld.
- ⦿ Long service time, with proper use.
- ⦿ Maintenance free

NSF/ANSI 14 - Plastics Piping System Components and Related Materials.

Establishes the minimum physical, performance and health effects requirements for plastics piping system components and related materials.

NSF/ANSI/CAN 61 - Drinking Water System Components – Health Effects.

Establishes the benchmark criteria for evaluating health effects of many drinking water system components, including plastic piping.

ANSI/ASME B1.20.1 – Pipe threads general purpose (inch)



Solvent cement (Welding)

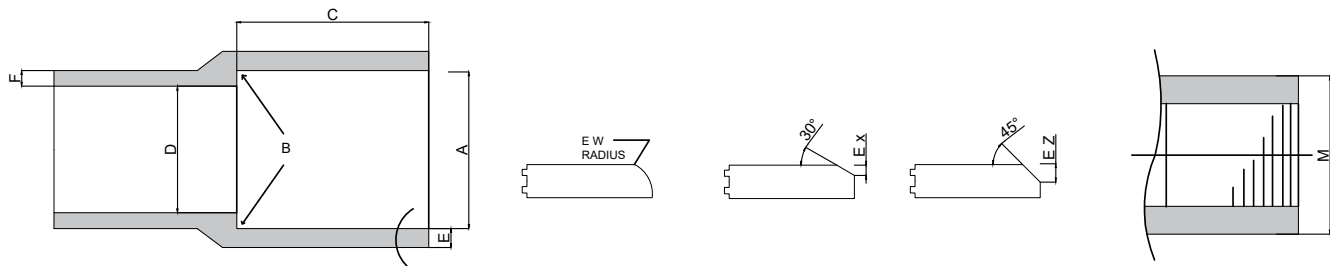
Solvent cement joints shall be made using PVC cement conforming to **ASTM D2564**. This specification covers the requirements for poly (vinyl chloride) (PVC) solvent cements to be used in joining poly(vinyl chloride) piping systems.

These solvent cements are used with poly (vinyl chloride) piping systems made from compounds as defined in Specification **D1784**.

Refer to **ASTM D2855** if using a two-step procedure for joining PVC pipe and fittings or refer to ASMT F3328 when using a one-step procedure for joining PVC pipe and fittings.

Nominal Pipe Size	Socket Entrance Diameter "A"			Socket Bottom Diameter B			C Socket	D Inside	Wall Thickness, min		Min Outside Diameter of Hub	Entrance, min	
	Diameter	Tolerance on Diameter	Max Out-of-round	Diameter	Tolerance on Diameter	Max Out-of-round	Length, min	Diameter, min	E	F	M	EW	EX,EZ
1/2	0.848	± 0.004	0.016 (0.41)	0.836	± 0.004	0.016 (0.41)	0.688	0.578	0.109	0.136	0.998	1/32	1/32
3/4	1.058	± 0.004	0.02 (0.51)	1.046	± 0.004	0.02 (0.51)	0.719	0.740	0.113	0.141	1.221	1/32	1/32
1	1.325	± 0.005	0.02 (0.51)	1.31	± 0.005	0.02 (0.51)	0.875	0.990	0.133	0.166	1.504	1/16	1/16
1 1/4	1.670	± 0.005	0.024 (0.61)	1.655	± 0.005	0.024 (0.61)	0.938	1.335	0.140	0.175	1.871	1/16	1/16
1 1/2	1.912	± 0.006	0.024 (0.61)	1.894	± 0.006	0.024 (0.61)	1.094	1.564	0.145	0.181	2.127	1/16	1/16
2	2.387	± 0.006	0.024 (0.61)	2.369	± 0.006	0.024 (0.61)	1.156	2.021	0.154	0.193	2.634	1/16	1/16
2 1/2	2.889	± 0.007	0.03 (0.76)	2.868	± 0.007	0.03 (0.76)	1.750	2.414	0.203	0.254	3.170	3/32	1/8
3	3.516	± 0.008	0.03 (0.76)	3.492	± 0.008	0.03 (0.76)	1.875	3.008	0.216	0.270	3.841	3/32	1/8
3 1/2	4.016	± 0.008	0.03 (0.76)	3.992	± 0.008	0.03 (0.76)	2.000	3.486	0.226	0.283	4.374	3/32	1/8
4	4.518	± 0.009	0.03 (0.76)	4.491	± 0.009	0.03 (0.76)	2.000	3.961	0.237	0.296	4.907	3/32	1/8

TABLE 1. Tapered Sockets for PVC Pipe Fittings, Schedule 40, in.^A



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